ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SCHEME OF EXAMINATION & DISTRIBUTION OF MARKS

SEMESTER – I

Paper No.	Title of the Paper(s)	Internal Assessment	Term End Exam	Total Marks
1.	Geomorphology	20	80	100
2.	Climatology	20	80	100
3.	Evolution of Geographical thoughts	20	80	100
4.	Geography of India	20	80	100
Prac-1	Instrumental Survey	-	-	100
			Total	500

SEMESTER – II

Paper No.	Title of the Paper(s)	Internal Assessment	Term End Exam	Total Marks
1.	Applied Geomorphology	20	80	100
2.	Oceanography	20	80	100
3.	Geographical Methodology	20	80	100
4.	Geography of Chhattisgarh	20	80	100
Prac-1	Cartography	-	-	100
			Total	500

SEMESTER – III

Paper No.	Title of the Paper(s)	Internal Assessment	Term End Exam	Total Marks
1.	Rural Settlement Geography	20	80	100
2.	Resource Geography	20	80	100
3.	Regional Planning & Development	20	80	100
4.	Population Geography with special reference of world	20	80	100
Prac-1	Statistical Technique & field survey	-	-	100
			Total	500

SEMESTER – IV

Paper No.	Title of the Paper(s)	Internal Assessment	Term End Exam	Total Marks
1.	Population Geography with special reference of India	20	80	100
2.	Urban Geography	20	80	100
3.	Agricultural Geography	20	80	100
4.	Resource Conservation & Management	20	80	100
Prac-1	Advanced Cartography	-	-	100
			Total	500

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER - I

PAPER- I
GEOMORPHOLOGY

M.M.

OBJECTIVE

- It being a course at the interface of Geography with earth, the student has to be sensitized to the background knowledge of geography and environmental sciences.

- The objectives of the course is one to familiarize the students with the need for understanding of geomorphology with reference to set and fundamental concepts, focusing on the unity of geomorphology in the earth materials and the process with or without an element of time process component of geomorphology is segmented into the internal and external processes of landscape evolution.
- Finally, a few selected applications of geomorphology to societal requirements and quality of environment are dealt with.

COURSE CONTENTS:

UNIT- I

Nature and scope of geomorphology
Fundamental concepts- Geological structures and landforms, multi cyclic and polygenic evolution of landscapes, concepts of threshold.

UNIT- II

Interior of the earth
Origin of the continents and ocean Basin (Wegner Theory and Plate Tectonic theory)
Earth movement
Epeirogenic, Orogenic and Cymatogenic earth movements.
Forces of Crustal Instability : Faults & Folds

UNIT-III

Isostasy, vulcanicity, earth quack

UNIT- IV

Exogenic processes
Concepts of gradation, agents and processes of gradation, causes, types and classification of weathering, mass movement emotional and depositional processes and resultant landforms and soil formation.

Suggested Readings :-

1. Chodey. RJ. Spatial Analysis in Geomorphology, Methucn, London 1972.
2. Dury. G,H. The Face to the Earth, penguin Harmocdsworth 1959,
3. Fairbridge. R.W. Encyclopedia of Geomorphology. Reanholdis New York. 1968.
4. Garner, H.F. The Origin of landscape A Synthcsis of Geomorphology, Oxford University Press, London, 1974
5. सिंह, सविन्द्र के. : भू–आकृति विज्ञान, शारदा पुस्तक भवन, इलाहाबाद
6. यादव तथा रामसुरेश : भू–आकृति विज्ञान, ग्रन्थ कानपुर
7. गायत्री प्रसाद : भू–आकृति विज्ञान

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER - I

PAPER- II
CLIMATOLOGY

M.M.

OBJECTIVES:

The main objectives of the course is to provide.
Understanding of weather phenomena and generation of climatic phenomena and Dynamics of global climate.

COURSE CONTENTS:

Unit I

Nature and scope of climatology and its relationship with meteorology. Composition and structure of atmosphere. Isolation and heat balance of the earth. Green house effect.
Temperature: - Vertical, horizontal and regional distribution.

Unit 2

Air pressure, Atmospheric motion :- Permanent wind, Local wind, and Jet stream, and monsoon winds. Humidity, evaporation

Unit 3

Precipitation: Types world pattern precipitation, Acid rain. Concept of Air masses and fronts. Cyclones., EL Nino, and La Nina.

Unit 4

Classification of climates: - koppen, & Thorntwaite, General classification of world climate(temperate, desert, and Tropical)
Climate change geological and historical times, evidences, possible causes. and global warming, Applied climatology Depletion of ozone layer.

SUGGESTED READINGS :-

1 . Barry, RG. and Chorley P.J. : Atomosphere, Weather and Climate, routledge London and New York, 1998.
2. Critchfield JH : General Climatology. Prentice Hall, India. New Delhi. 1987.
3. Das, P.K. : Monsoons National Book Trust. New Delhi, 1987.
4. Fein, J, S. and stephens, P. N. : Monosoons Wiley Interscience.
5, India Met. Deptt. Climatological Tables of Observatories in India. Govt. of India 1968.
6. La! D.S. : Climatology, Chaitanya publication, Allahabad. I 986.
7. Lydoiph. P.E. : The Climate ofthe Earth. Rowman. 1985.
8. Menon P.A. : Our Weather, N.B.T. New Delhi, 1989.
9. Peterson, S. : Introduction to Meteorology Mc Graw Hill Book. London. 1969.
1 0. Robinson. : P.J. and Henderson 8: Contemporary Climatology. Henlow. 1999.

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER - I

EVOLUTION OF GEOMORPHICAL THOUGHTS

PAPER – III

M.M.

OBJECTIVES:

To introduce the students to the philosphical and methodological foundations of the subject and its place in the world of knowledge. To familiarize them with the major landmarks in development of geographic thought at different periods of time.

Course Contents :-

Unit-I

- The field of geography :- It place in the classification of science, geography is a social science and natural science. Selected concepts in the philosophy of geography :-

Unit -II

Distribution, Relationship, Interactions, areal differentiation and spatial Organization. Dualism in geography :- Determinism! possibilism systamatic / Regional.

Unit - III

Classical Age :- The begining of geography in classical age contribution of Greek and Roman to geography, with special reference to the work of Herodotuseratosthenes, Pasidonius, strabo and ptlrny. Geography in ancient Indian period. Middle age :- Geography in the middle age contribution by Arb geographers - Al -Beruni, Idrisi I bnbatuta, I bn-e, khurdda - ben Ibn khaldun. Geography in Ancient period, Geography in Middle Age .

Unit-IV

Contribution of the modern geographers :-

(i) German school of geographic thought Hornboldt Retter, Rich thofen & Ratzal.
(ii) French School of geographic thought - blache, brunhes.
(iii) American geographic thought - Davis, sampule.
(iv) British geographic thought - Mackinder. Harbertson, stamp
(v) Study of geography in modern India.

SUGGESTED READINGS :-

1. Abler, Ronald; Adams, John S. Gold, Peler: Spatial Organization: The Geographers view of the world, Prentice Hall, N. J. 1971.
2. Au S. M. : The Geography of Puranas, Peoples Publishing House, Delhi. 1968.
3. Amcdco, Douglas : An Introduction to Scienfitic Reasonign in Geography, John Wiley, U.S.A. 1971.
4. Dikshit, R. D. (ed.) : The Art & Science of Geography Rand Mc Nally & Co. 199.
5. Hertshorne, R. : Perspectives on Nature of Geography Rand Mc Nally & Co.1959.
6. Husain, M. : Evolution of Geographic Thought, Rawat Pub. Jaipur, 1984.
7. Johnston, R. 3. : The Future of Geography, Methuen, London, 1988.
8. Au, S. M. : Arab Geography.
9. Taylor, G. : Geography in the 20th Century.
10. Dikshit, R. D. : Geographical Thought : A Contexual History of Ideas, Prentice Hall of hidia, New Delhi.
11. Harvey D. : Explanation in Geography.
12. त्रिपाठी एवं बिरले : भौगोलिक चिन्तन का विकास एवं विधि तंत्र
13. कौसिक एस.डी. : भौगोलिक विचारधाराओं का इतिहास एवं विधितंत्र
14. हुसैन माजिद : भौगोलिक चिंतन
15. पण्डा बी.पी. एवं वर्मा एल.एन. : भौगोलिक चिंतन का विकास एवं विधितंत्र

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER - I

PAPER- IV
GEOGRAPHY OF INDIA

M.M.

UNIT- I

India in the context of Asia in the world-

Land, major Taran units and their characteristics, drainage system, the Indian monsoon, regional and seasonal variation of weather, climatic division, soil types and their characteristics, distribution problems, forest resources and their conservation.

UNIT- II

Mineral and power resources reserves-

Production and problems of conservation of major minerals, population numbers, distribution with special reference to post independence period and its implications, literacy and education, special urbanization and characteristics of Indian cities

UNIT- III

Economy-

An overview of Indian economy and impact of globalization on 8 cultivated land use pattern, characteristics and problems of agriculture comma irrigation development of spatial pattern, technological development in agriculture green revolution and its consequences for agricultural regionalization of India.

UNIT- IV

Industry-

industrial development and overview, locational factors and spatial pattern of major industries in India Iron and Steel, Engineering goods, Textiles, Chemicals, cement, sugar and paper industrial regions of India Transport and trade International and internal trade of India composition and change. Regions of India- Basic of regional division, macro and micro regional divisions of India by O H K spat end RL Singh

SUGGESTED READINGS

1- Das, P. K. The Monsoon. National Book Trust of India, New Delhi.

2- Government of India The Gazetteer of India. Vol. I : The land and people. Publication Division, New Delhi.

3- Deshpande, C.D. : India- A Regional Interpretation. Northern Book Cetre, New Delhi.

4- Mukherjee, A. B. & A. Aijazuddin, eds. India-Culture, Society & Economy. Inter india, New Delhi.

5- Sharma, T. C. & 0. Countinho Economic and Commercial Geography of India, Vikash Publication , New Delhi.

6- Singh, Jagdish India. Gyanodaya, Gorakhpur.

7- Singh, M. B. Industrial Development in India. Lotus, Varanasi, 1985.

8- Singh, R.L. : India : A Regional Geography, National Geographical Society of India, Varansi, 1971

9- तिवारी विजय कुमार : भारत का वृहद भूगोल,हिमालय पब्लिकेशन, मुम्बई, 2000

10- तिवारी, आर.सी. : भारत का वृहद भूगोल

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

M.A. I SEMESTER PRACTICAL
INSTRUMENTAL SURVEY

1. surveying- importance of instrumental surveying and application -survey instruments.

2. **Prismatic Compass-**

   Method of prism pass surveying: Radiation, inter section and traverse, correction of bearing, Elimination the closing error, Bow ditch method.

3. **Plane table-**

   Plan preparation, methods of plane table surveying - radiation, inter section, traverse & resection method.

4. **Dumpy level:-**

   Meaning of the terms used in leveling Method of leveling:- simple leveling, differential leveling. Profile.

5. **Theodolite:-**Meaning of terms used in theodolite surveying, measurement of horizontal distance & vertical height, accessible and non accessible method, digital surveying equipment- Electronic Distance measurement (EDM) instruments, total station, global positioning system (GPS).

SUGGESTED READINGS-

1.. Monk house, F.J. & H.R. Wilkinson : Map and Diagrams, methouen, London.

2. Singh, L. R. : Practical Geography.

3. शर्मा, जे.पी., :प्रायोगिक भूगोल

4.चौहान, पी.आर. : प्रयोगात्मक भूगोल

5.यादव, हीरालाल, प्रायोगिक भूगोल

6.चंद्रकारपी. सर्वेक्षण विधि तंत्र, एस. शारदा पब्लिकेशन, बिलासपुर

7.SarkarAashish Practical Geography

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

M.A. Geography Semester I shall consist the following papers :

1. The M.A. Semester -1 examination in Geography shall consist of 500 marks.
2. The theory papers shall be of three hours duration.
3. Candidates will be required to pass separately in theory and practical examination.
4. a) In the practical examination the following shall be allotment of time and marks.

i)	Practical Record	20% Marks
ii)	Survey (up to six hours)	70% Marks
iii)	Viva on i and ii	10% Marks

b) The external and internal examiners shall jointly submit marks.

c) All the candidates shall present at the time of the practical examination their practical record regularly signed by the teachers concerned.

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER II

APPLIED GEOMORPHOLOGY

PAPER-I

COURSE CONTENTS :-

Unit-I

Applied Geomorphology :-

Nature scope and subject matter of applied of Geomorphology. Quantitative applied Geomorphology :- morphometry.

Unit-II

The concept of cycle of erosion:- Erosion cycle according to Davis & Penck. Narmal. cycle of erosion, Rejuvenation and polycyclic Landscape.

Unit-III

Geomorphic Process :

Dynamic of Fluvial, glacial, Aired, marine and karst process and resulting land forms. Slopeevolution : concept of Davis, Penck, wood & king. Denudation chronology and erosion surface Drainage system and pattern.

Unit-IV

Geomorphic Application :- .

Geomorphic application in applied geomorphology; Land use and agricultural planning, urban geomorphology, Hydrogeomorphology, Environmental Geomorphology.

SUGGESTED READING :- . .

1. Dexcy, F. 1962. Applied geomorphology, S. Afr. Geogr. J. 44, 3.24.
2. Douglas, I 1971 : Dynamic equilibrium in applied geomorphology : two case studies S earth science J. 5.29-35.
3. Horton, R. E. 1932. Drainage basin Characteristics Trans Am. Geophys 13,350-61.
4. King C.A.M. 1966. Techniques in geomorphology.London : Edward Arnold.
5. Morsisawa, M (ed) 1981. Quantitative geomorphology, London, george Allen &Unwin. .
6 .Ricc , R . J . I 9 7 7 .Fundamental o f geomorphology.London Lorgman.
7. Seti,,. S. A. 1972 River morphology. stroudsberg pa Dowden. Hutchinson & Rose.
8. Sparks. B. V. 1972. B.W. 1972.Geomorphology 2 and edn.London Lorgman.
9. Strahier, A. M. 1954. Statistical analysis in gdinorphic research 3. Geol. 62.1.25.
10. Singh savindra;.2007 :- Geomorphology:- Väsündfr&a, Prakasan, Allahabad.
11. सिंहसविन्द्र : भू–आकृतिविज्ञान

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER-II

OCEANOGRAPHY

PAPER II

OBJECTIVE

The objective of the course are to introduce students to the many facets of Oceans, Such as, evolution of the oceans, Physical and chemical properties of sea water, atmospheric and oceanographic circulation, The fascinating world of marine life and the characteristic of marine environment and the impact of man on the marine environment.

COURSE CONTENT -

Unit-I

Nature and scope & Oceanography, History of Oceanography. Distribution of land and water. Major features of ocean basin :- Continental shelf, Continental slope, deep sea plainsand Oceanic deep.

Unit 2

Physical and chemical properties of sea water, Temperature and salinity, density of ocean water. Inter link between atmospheric circulation and circulation patterns in the Oceans :- Surface currents, waves and tides.

Unit 3

Marine biological environmental :- Biozones of the Ocean, Types of organisms, palankton, Nekton and Benthos, Ocean Deposits and Formation of Coral reefs

Unit 4

Food and mineral resources of the sea. Impact of Human on the marine Environment Major Ocean routs of the world

Suggested Reading :-

1 Davis. Richard J. A. Oceanography. An introduction to the Manne Environment. Wm C. Brown Lowa 1986.
2. Gross, M. Grant Oceanography for Geographers 1962.
3. Lal D. S. : Climatology and Oceanography. shardapustak Bhavan. Allahabad.
4. Sharma. R. C. "The Oceans" Rajesh N. Delhi 1985.
5 .Ummerkutty. A.NIP. Science of the Oceans and Human Life. NBT New Delhi 19
6. सिंहसविन्द्र : जलवायु विज्ञान
7. लालडी.एस. : जलवायुविज्ञान
8. गौतमअल्का : जलवायुविज्ञान

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER-II
GEOGRAPHICAL METHODOLOGY

PAPER - III

COURSE CONTENTS :-

Unit-I

Development of - quantitative revolution in geography.Pattern of quantitative revolution, importance of the techniques. Scientific explanations : Routes Scientificexplanations (Inductive/Deductive): Type of explanations, cognitive description :cause & effect .

Unit-II

Analytical approaches in Geography : Locational Analysis : Concept of locational analysis . (Von Thunen Theory ,Weber Theory) Spatial Analysis : Importance, methods and pattern of spatial analysis, System analysis and ecological analysis.

Unit-III

Laws , theories and model : use of model, characteristic necessity of models , types of models, .

Unit-IV

Philosophical background of geographical thinking: Dulisum in geography, positivism and its reactions, Behaviouralism, paradigms of geography. Recent trends in geography.

SUGGESTED READINGS :-

1. Abler, Ronald; Adams, John S. Guld, Peler : Spatial Organization : The Geographersview of the world, Prentice Hall, N. 3. 1 97 1 .
2. Au S. M. : The Geography of Puranas, Peoples Publishing House, Delhi. 1966.
3. Amedeo, Douglas : An Introduction to Scientific Reasoning in Geography, JohnWiley,U.S.A. 1971.
4. Dikshit, R. D. (ed.) : The Aft & Science of Geography Integrated Readings, Prentice Hall of India, New Delhi 1994.
5. Hartshorne, R. : Perspectives on Nature of Geogràphy Rand McNally& Co. 1959
6. Husain, M. : Evolution of Geographic Thought, Rawat Pub. Jaipur, 1984.
7. Johnston, R. J. : Philosophy and Human Geography, Edward Arnold. London, 1983.
8. Johnston, R. 3. : The Future of Geôraphy, Methuen, London, 1988.
9. Minshull, R. 3. : The ChangingNatureof Geography, Hutchinson University Library,London, 1970.
10. पण्डाबी.पी. एवंवर्मा एल.एम. : भौगोलिक चिंतनका विकास एवंविधितंत्र
11. त्रिपाठी एवं बिरले : भौगोलिक चिंतन का विकास एवं विधितंत्र

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA BILASPUR (C.G.)

SEMESTER SYLLABUS

M.A. GEOGRAPHY

SEMESTER-II
GEOGRAPHY OF CHHATTISGARH

PAPER IV

OBJECTIVES:

The aim of the course is to finalize the student with meso micro region of the country. To prepare the student for understanding the Chhattisgarh region as a dynamic entity emerging from the interaction of the physical and regional structure over time.

COURSE CONTENT

Unit -I

Physical elements of geography of Chhattisgarh :- Location, Extent, Geology, Physical Features, Climate, Drainage, Soil and Vegetation.

Unit -2

Agriculture : Major characteristics, Important Crops -Paddy, Wheat, Maize, Kodo Kutaki , Pulses, Oilseeds, Sugarcane. Agricultural Region and Major agriculture development schemes, Irngation, Major irrigation projects.

Unit 3

Minerals and power resources.

Iron ore, Bauxite, Manganese, Coal, Hydroelectricity industrial development in Chhattisgarh with special reference to iron and steel industries, Cement Industry, Textile Industry, agriculture based industries, Aluminum, Thermal power, Industrial belts of Chhattisgarh.

Unit 4

Population Structure: Growth and density of population, Caste structure, literacy, occupation, Tribes of Chhattisgarh Transport, Tourism Culture and regional development::

SUGGESTED READINGS :-

1 - Das, P. K. : The Monsoon. National Book Trust of India, New Delhi.

2 Government of India : The Gazetteer of India. Vol. 1 : The land and people. Publication Division, New Delhi.

3- Deshpancle, C.D. : India A Regional Interpretation. Northern Book Centre, New Delhi.

4- Mukherjee, A. B. & A. Aijazuddin, eds. :IndiaCulture, Society & Economy. Inter India, New Delhi.

5-.Sharma, T. C. & 0.Countinho : Economic and Commercial Geography of India, Vikash Publication , New Delhi.

6 Singh, Jagdish : India. Gyanodaya, Gorakhpur.

7 त्रिपाठी के. एवंचन्द्राकरपी. : छत्तीसगढ़ एटलस, एस. शारदा पब्लिकेशन बिलासपुर

8 त्रिपाठी के. एवंचन्द्राकरपी. : छत्तीसगढ़ का भूगोल, एस. शारदा पब्लिकेशन बिलासपुर

9. तिवारी विजय कुमार : छत्तीसगढ़ एक भौगोलिक अध्ययन